

Contents

Series Editor's Introduction	v
Foreword	vii
Preface	xi
Contributors	xv
Companion DVD	xix
1 What is An Atypical Parkinsonian Disorder?	1
<i>Irene Litvan</i>	
2 Historical Issues and Atypical Parkinsonian Disorders	11
<i>Christopher G. Goetz</i>	
3 Epidemiology of Progressive Supranuclear Palsy and Multiple System Atrophy	23
<i>Adam Zernansky and Yoav Ben-Shlomo</i>	
4 Neuropathology of Atypical Parkinsonian Disorders	33
<i>Ian R. A. Mackenzie</i>	
5 Animal Models of Tauopathies	65
<i>Jada Lewis and Michael Hutton</i>	
6 Neurodegenerative α -Synucleinopathies	77
<i>Michel Goedert and Maria Grazia Spillantini</i>	
7 Computer Modeling in Basal Ganglia Disorders	95
<i>José Luis Contreras-Vidal</i>	
8 Atypical Parkinsonian Disorders: <i>Neuropathology and Nosology</i>	109
<i>Charles Duyckaerts</i>	
9 Genetics of Atypical Parkinsonism: <i>Implications for Nosology</i>	137
<i>Thomas Gasser</i>	
10 Medical History and Physical Examination in Parkinsonian Syndromes: <i>How to Examine a Parkinsonian Syndrome</i>	153
<i>Marie Vidailhet, Frédéric Bourdain, and Jean-Marc Trocello</i>	
11 Role of Neuropsychiatric Assessment in Diagnosis and Research	161
<i>Dag Aarsland, Uwe Ehrt, and Clive Ballard</i>	
12 Added Value of the Neuropsychological Evaluation for Diagnosis and Research of Atypical Parkinsonian Disorders	183
<i>Bruno Dubois and Bernard Pillon</i>	
13 Role of Praxis in Diagnosis and Assessment	195
<i>Ramón Leiguarda</i>	
14 Role of Visuospatial Cognition Assessment in the Diagnosis and Research of Atypical Parkinsonian Disorders	211
<i>Paolo Nichelli and Anna Magherini</i>	
15 Role of Ocular Motor Assessment in Diagnosis and Research	233
<i>R. John Leigh and David S. Zee</i>	

16	Characterizing and Assessing Speech and Language Disturbances	253
	<i>Carol Frattali and Joseph R. Duffy</i>	
17	Quality of Life Assessment in Atypical Parkinsonian Disorders	275
	<i>Anette Schrag and Caroline E. Selai</i>	
18	Progressive Supranuclear Palsy	287
	<i>Irene Litvan</i>	
19	Corticobasal Degeneration: <i>The Syndrome and the Disease</i>	309
	<i>Bradley F. Boeve</i>	
20	Multiple System Atrophy	335
	<i>Felix Geser and Gregor K. Wenning</i>	
21	Clinical Diagnosis of Dementia With Lewy Bodies	361
	<i>David J. Burn, Urs P. Mosimann, and Ian G. McKeith</i>	
22	Clinical Diagnosis of Familial Atypical Parkinsonian Disorders	375
	<i>Yoshio Tsuboi, Virgilio H. Evidente, and Zbigniew K. Wszolek</i>	
23	Clinical Diagnosis of Vascular Parkinsonism and Nondegenerative Atypical Parkinsonian Disorders	393
	<i>Madhavi Thomas and Joseph Jankovic</i>	
24	Role of Electrophysiology in Diagnosis and Research in Atypical Parkinsonian Disorders	409
	<i>Josep Valls-Solé</i>	
25	Role of CT and MRI in Diagnosis and Research	431
	<i>Mario Savoirdo and Marina Grisoli</i>	
26	Role of Functional Magnetic Neuroimaging in Diagnosis and Research	451
	<i>Hartwig Roman Siebner and Günther Deuschl</i>	
27	PET and SPECT Imaging in Atypical Parkinsonian Disorders	459
	<i>Alexander Gerhard and David J. Brooks</i>	
28	Current and Future Therapeutic Approaches	473
	<i>Elmyra V. Encarnacion and Thomas N. Chase</i>	
29	Rehabilitation of Patients With Atypical Parkinsonian Disorders	485
	<i>Daniel K. White, Douglas I. Katz, Terry Ellis, Laura Buyan-Dent, and Marie H. Saint-Hilaire</i>	
30	Overview and Future Research	497
	<i>Andrew Lees</i>	
	Index	503